

# INKJET PRINTER USING THERMAL SENSING ELEMENTS TO IDENTIFY DIFFERENT TYPES OF CARTRIDGES

## Abstract

An inkjet printer includes different types of cartridges and different thermal sensing elements are set on different types of cartridges. The inkjet printer utilizes a detecting circuit to generate a sensing signal according to a working temperature of a printhead sensed by the thermal sensing element. Therefore, according to the sensing signal, the inkjet printer can determine the working temperature of the printhead. Furthermore, a control circuit of the inkjet printer can also identify different types of cartridges, as values of the sensing signal generated by different thermal sensing elements fall into different ranges.